

15

$$A_c = (0.1 \text{ [mm]} \times 0.1 \text{ [mm]} \times 16 \text{ [pieces]})/1 \text{ [cm]}$$
$$= 1.6 \times 10^{-3} \text{ [m}^2/\text{m}^2 \text{ floor]}$$

$$A_{cs} = (0.1 \text{ [mm]} \times 3 \text{ [mm]} \times 4 \text{ [faces]} \times 16 \text{ [pieces]})/1$$
$$[\text{cm}]$$
$$= 0.192 \text{ [m}^2/\text{m}^2 \text{ floor]}$$

$$A_s = 1 - A_c$$

20

$$= 1 - 1.6 \times 10^{-3} \text{ [m}^2/\text{m}^2 \text{ floor]}$$
$$A_{as} = A_s + A_{cs}$$
$$= 1.19 \text{ [m}^2/\text{m}^2 \text{ floor}]$$

Here, A_s is the area in which the carpet fibers in 1 [m^2] are in contact with the indoor air.

25

Subsequently, using the primary condition, a secondary condition is determined by calculation (S2). The